

ABSTRACT

An ablation catheter employing one or more manifold arrangements to convey a conductive fluid medium to a target tissue. The manifold includes at least one inlet port in fluid communication with a fluid supply lumen running along at least a portion of the catheter. The inlet port or ports are in fluid communication with a larger outlet port. The outlet ports provide an outlet for the fluid to flow out of the catheter and against the target tissue. As such, the combination of at least the inlet port with the outlet port provides a flow path for fluid within the fluid lumen to flow through the manifold and to outside of the catheter. An electrode is arranged in the flow path of fluid within or adjacent the manifolds. As such, fluid may be energized and conduct ablation energy to the target tissue to ablate the tissue.